

FIG. 1

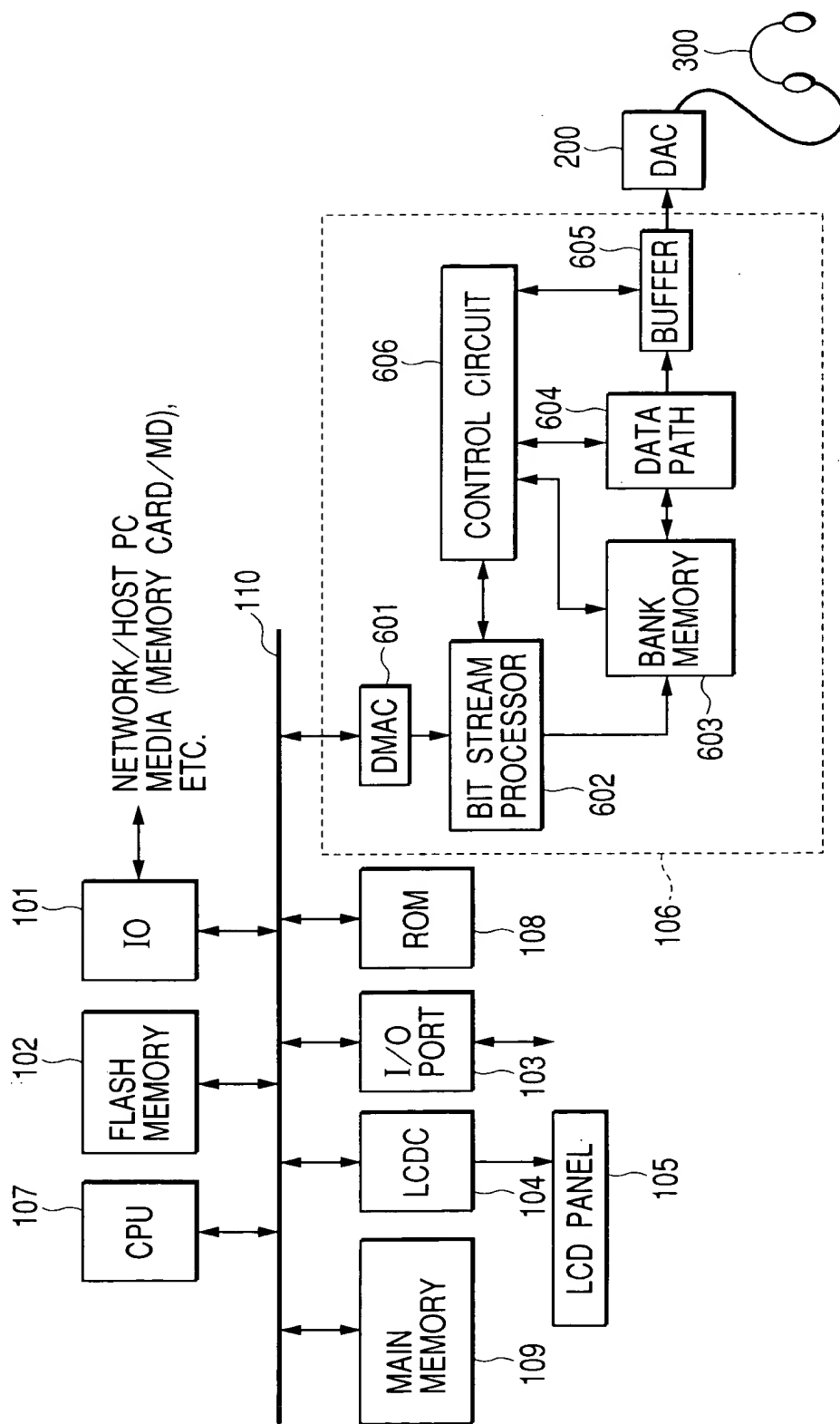
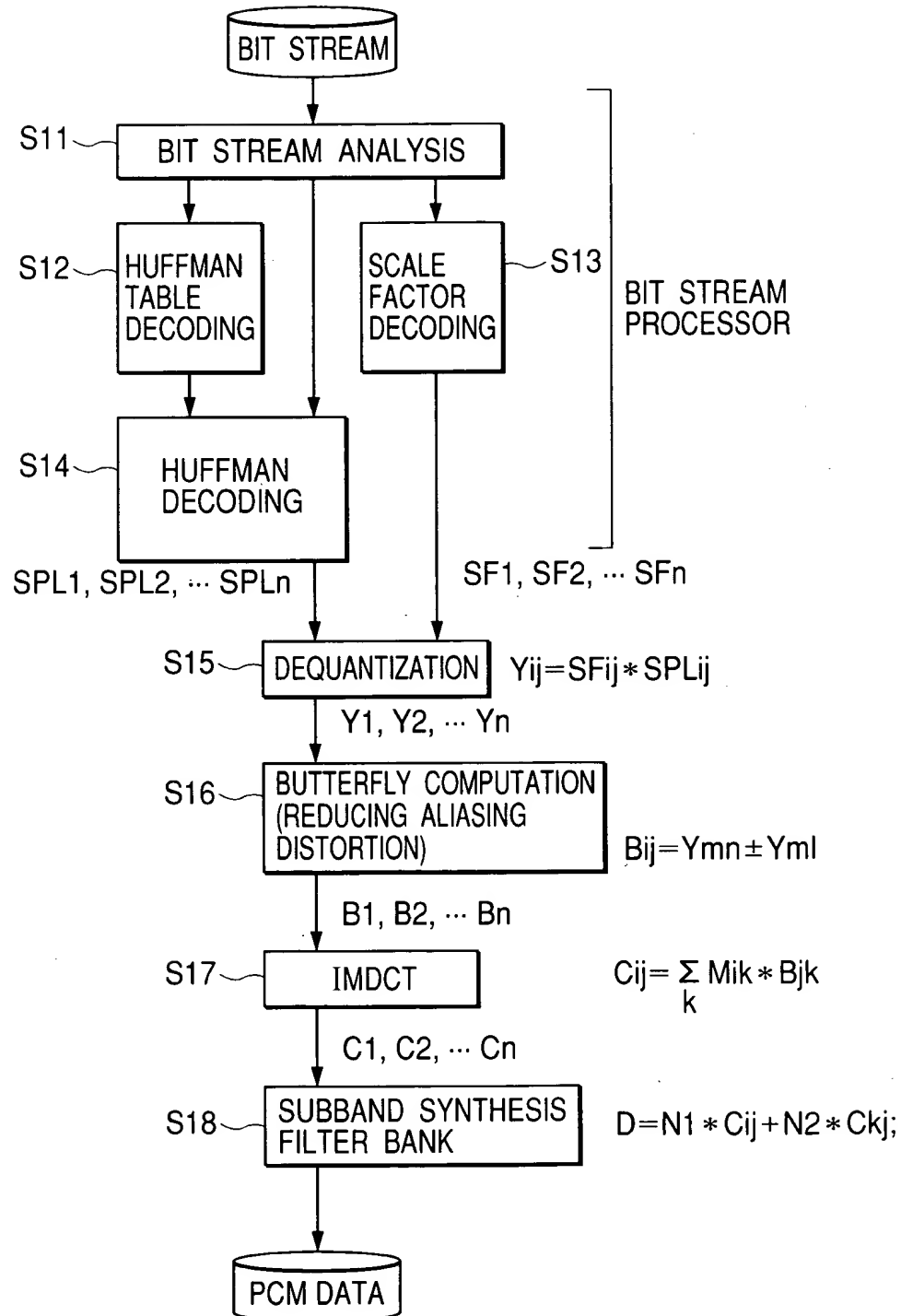
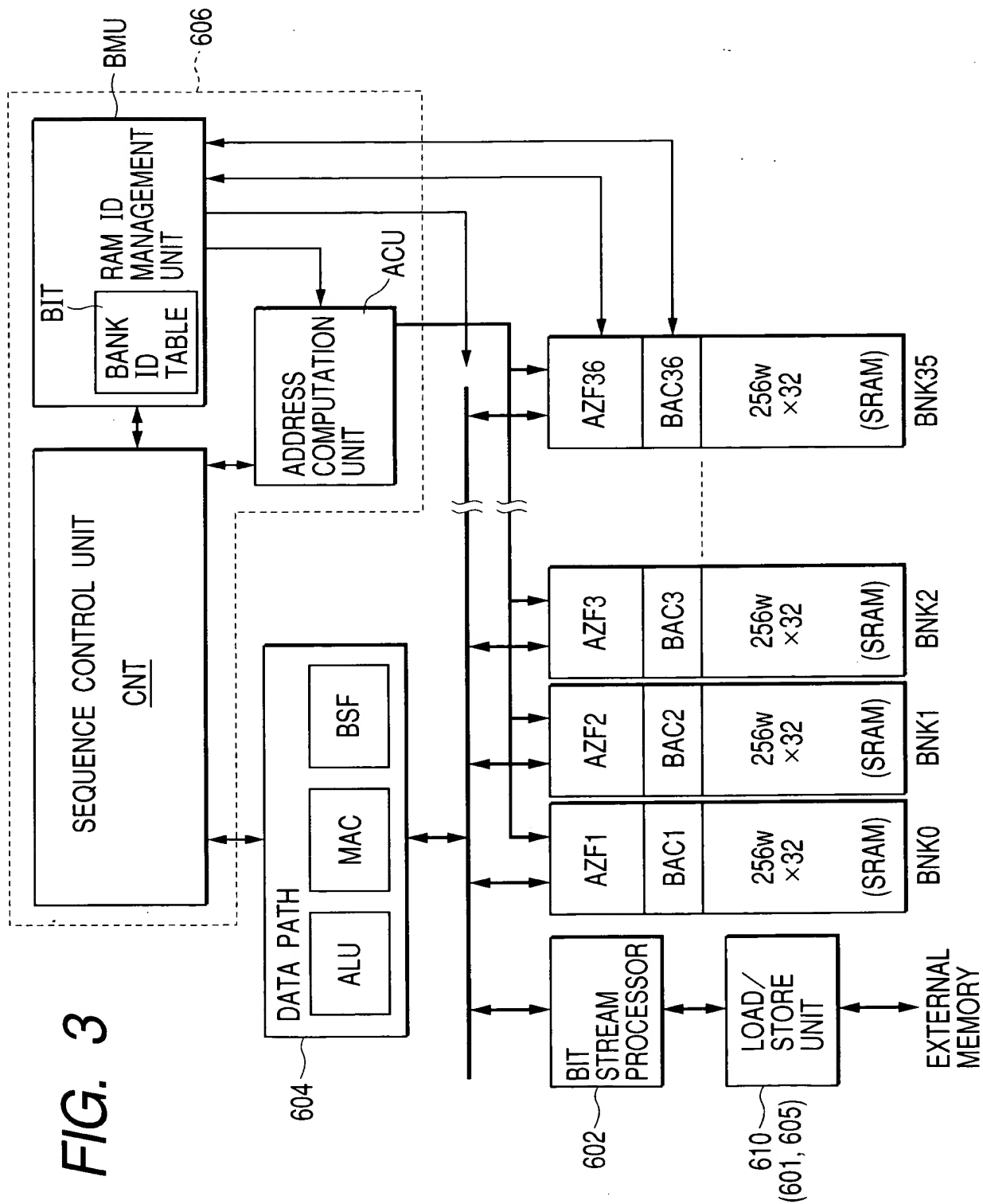


FIG. 2





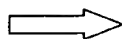
**FIG. 4A**

|             |     |     |     |     |
|-------------|-----|-----|-----|-----|
| address     |     |     |     |     |
| 0           | a0  | b0  | c0  | d0  |
| 1           | a1  | b1  | c1  | d1  |
| 2           | a2  | b2  | c2  | d2  |
|             | ⋮   | ⋮   | ⋮   | ⋮   |
|             | ⋮   | ⋮   | ⋮   | ⋮   |
|             | ⋮   | ⋮   | ⋮   | ⋮   |
| n           | an  | bn  | cn  | dn  |
| BANK NUMBER | (0) | (1) | (2) | (3) |

**FIG. 4B**

|             |     |     |     |     |
|-------------|-----|-----|-----|-----|
| address     |     |     |     |     |
| 0           | A0  | B0  | 0   | 0   |
| 1           | A1  | B1  | 0   | 0   |
| 2           | A2  | B2  | 0   | 0   |
|             | ⋮   | ⋮   | 0   | 0   |
|             | ⋮   | ⋮   | 0   | 0   |
|             | ⋮   | ⋮   | 0   | 0   |
| n           | An  | Bn  | 0   | 0   |
| BANK NUMBER | (0) | (1) | (2) | (3) |

DATA WRITE



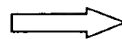
**FIG. 5A**

|             |      |      |      |     |
|-------------|------|------|------|-----|
| AZF0        | AZF1 | AZF2 | AZF3 |     |
| 0           | 0    | 0    | 0    |     |
| address     |      |      |      |     |
| 0           | a0   | b0   | c0   | d0  |
| 1           | a1   | b1   | c1   | d1  |
| 2           | a2   | b2   | c2   | d2  |
|             | ⋮    | ⋮    | ⋮    | ⋮   |
|             | ⋮    | ⋮    | ⋮    | ⋮   |
|             | ⋮    | ⋮    | ⋮    | ⋮   |
| n           | an   | bn   | cn   | dn  |
| BANK NUMBER | (0)  | (1)  | (2)  | (3) |

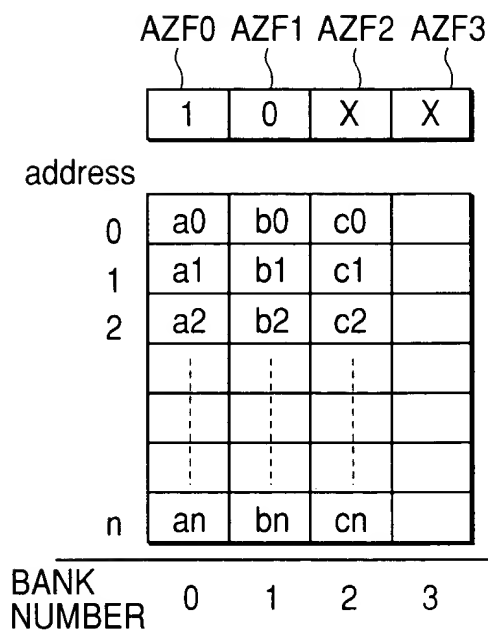
**FIG. 5B**

|                |      |      |      |      |
|----------------|------|------|------|------|
|                | AZF0 | AZF1 | AZF2 | AZF3 |
|                | 0    | 0    | 1    | 1    |
| address        |      |      |      |      |
| 0              | A0   | B0   | c0   | d0   |
| 1              | A1   | B1   | c1   | d1   |
| 2              | A2   | B2   | c2   | d2   |
|                | ⋮    | ⋮    | ⋮    | ⋮    |
|                | ⋮    | ⋮    | ⋮    | ⋮    |
|                | ⋮    | ⋮    | ⋮    | ⋮    |
| n              | An   | Bn   | cn   | dn   |
| BANK<br>NUMBER | (0)  | (1)  | (2)  | (3)  |

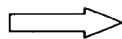
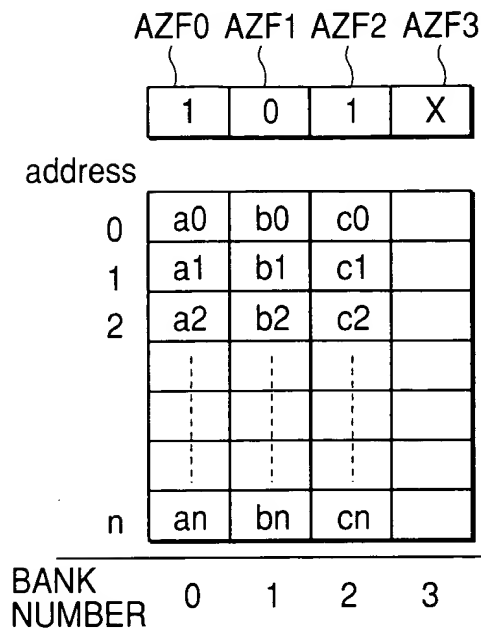
DATA WRITE



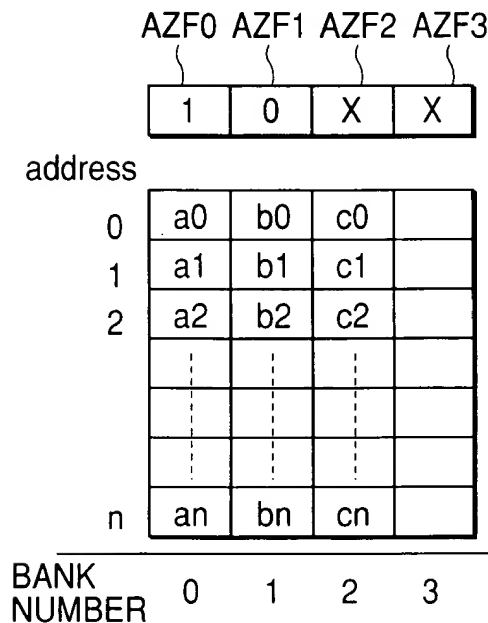
**FIG. 6A**



**FIG. 6B**

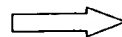


**FIG. 7A**

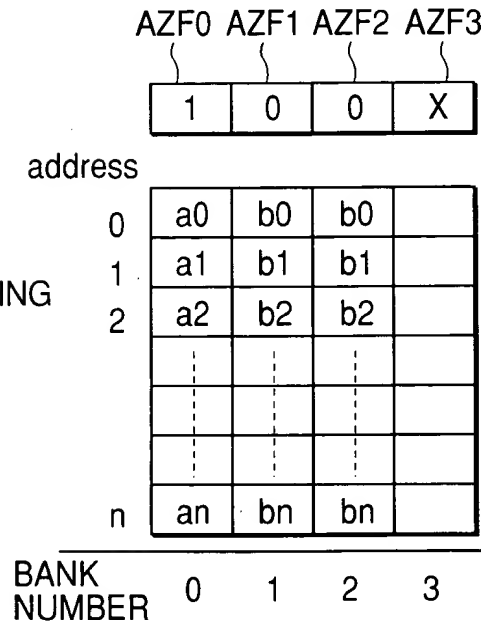


**FIG. 7B**

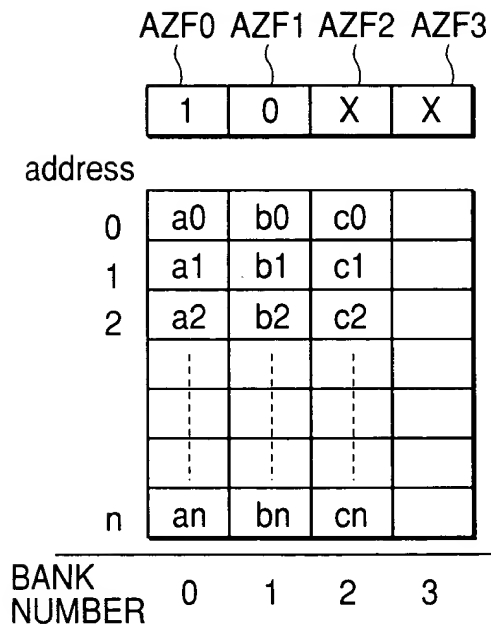
NORMAL  
PROCESSING



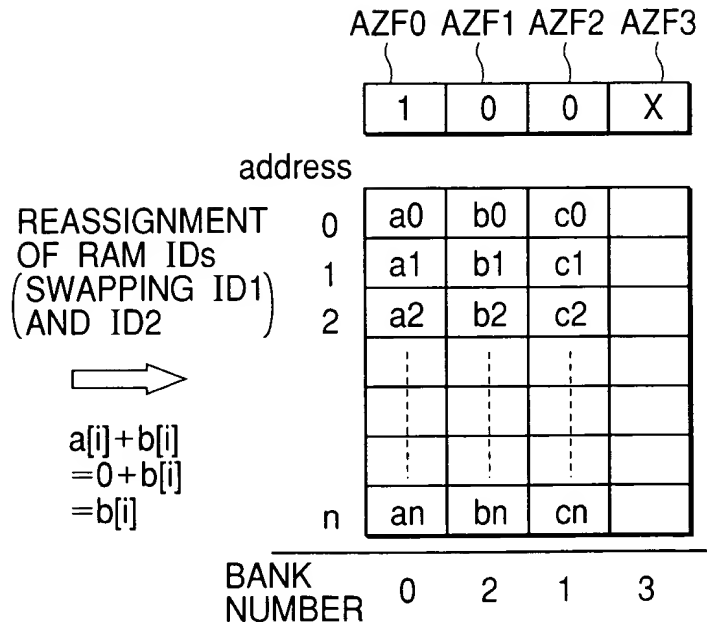
$$\begin{aligned} a[i] + b[i] \\ &= 0 + b[i] \\ &= b[i] \end{aligned}$$



**FIG. 8A**



**FIG. 8B**



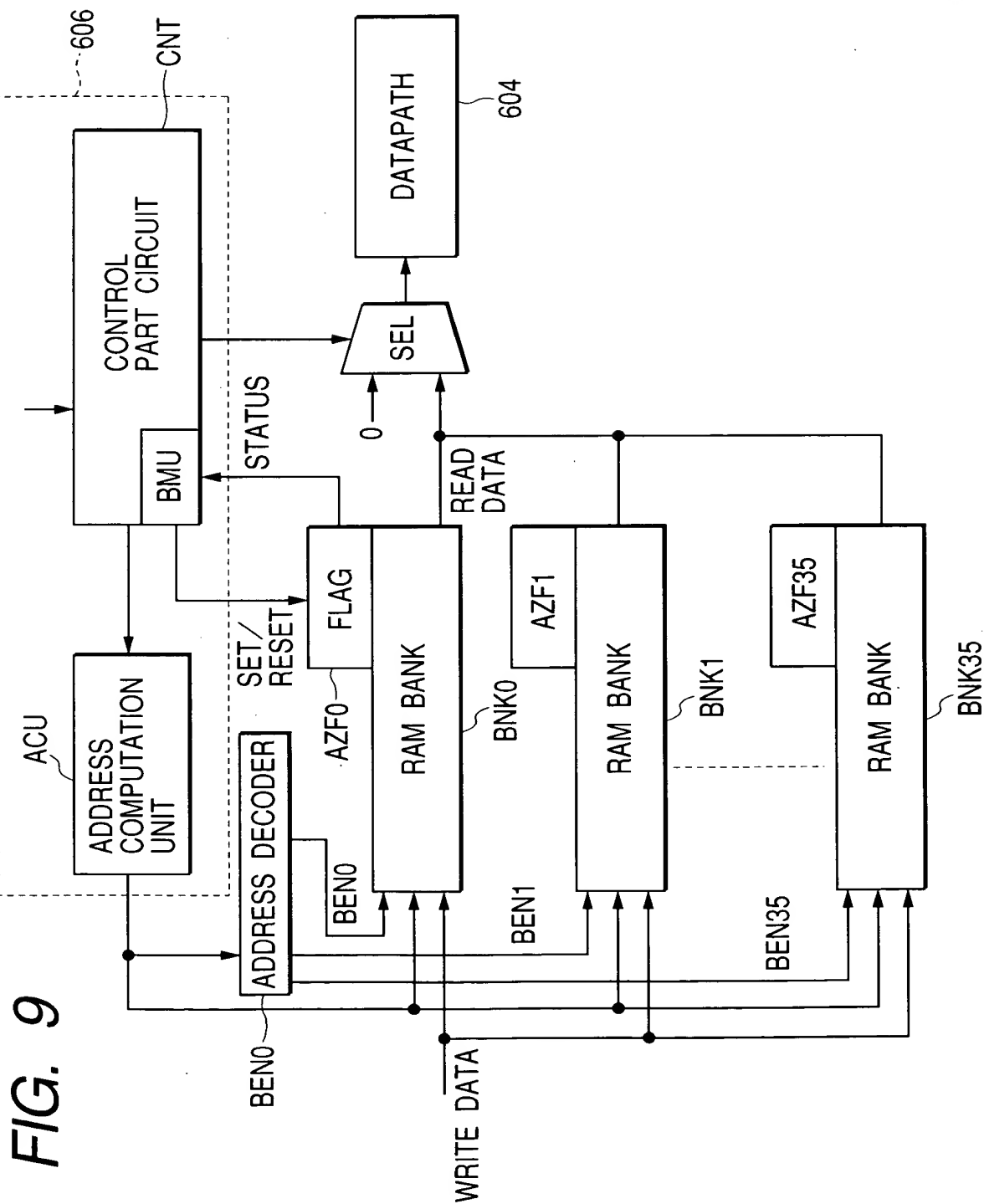
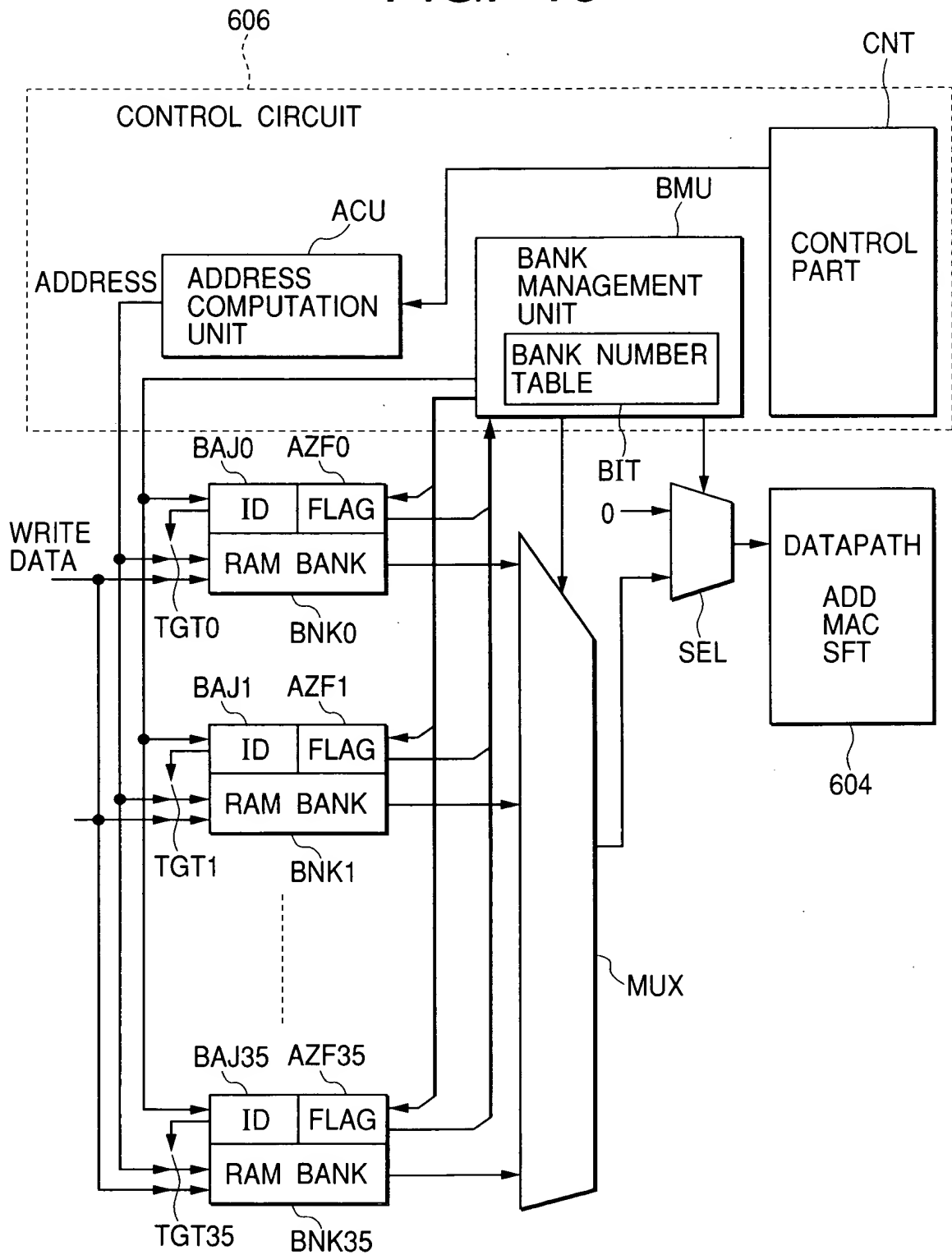


FIG. 10





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FIG. 11

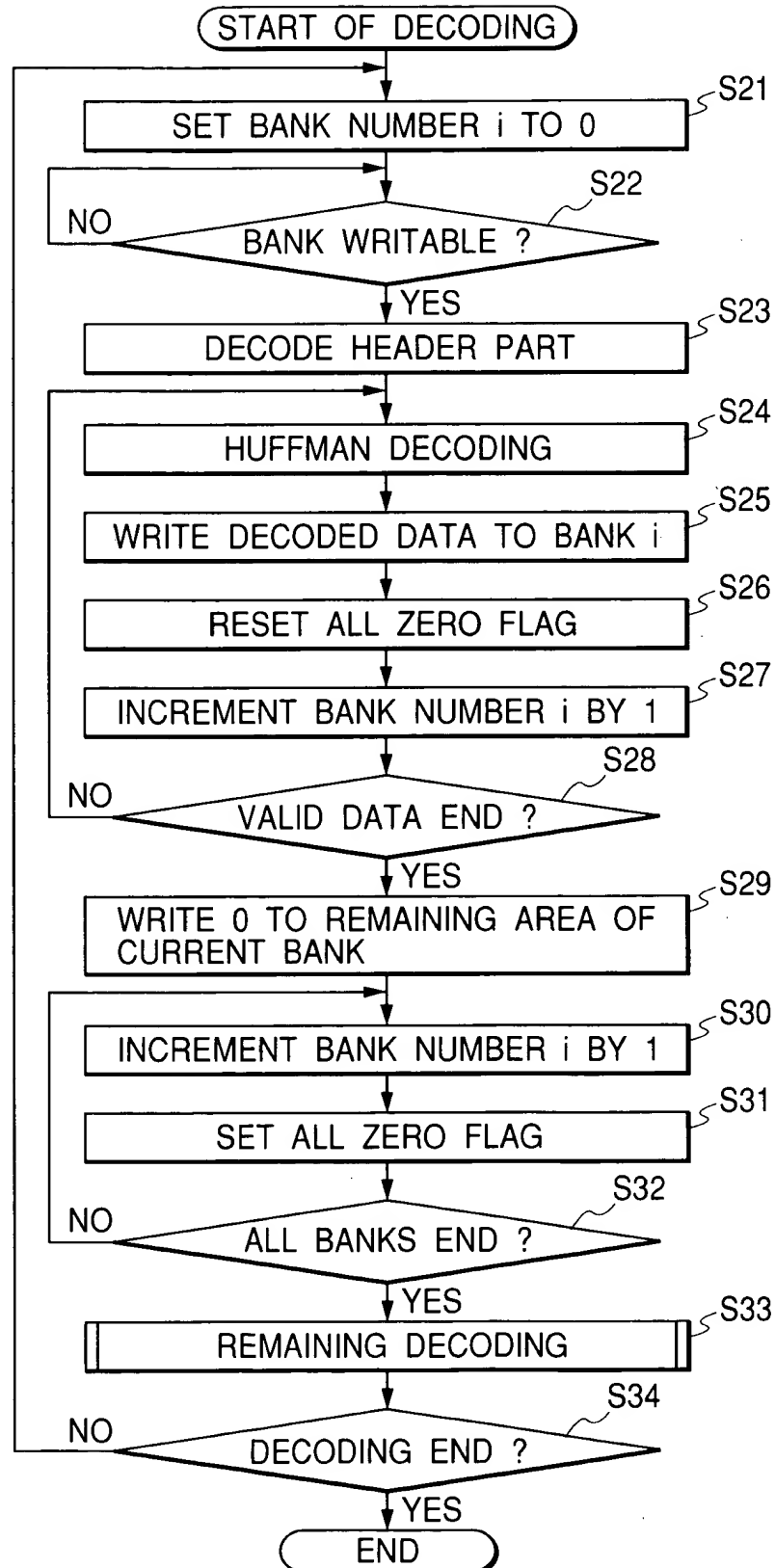
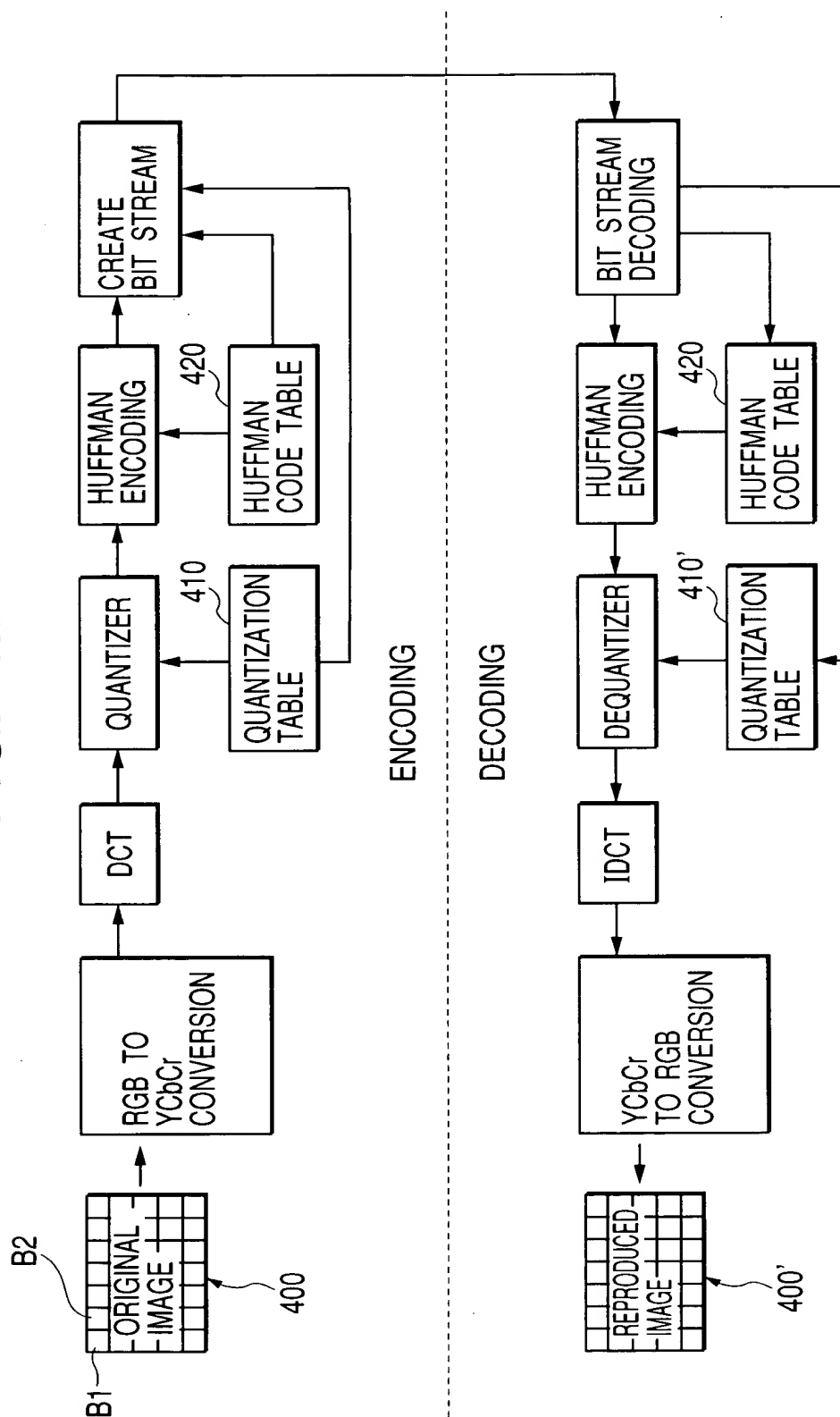


FIG. 12



*FIG. 13A*

|    |    |    |    |    |    |   |   |
|----|----|----|----|----|----|---|---|
| 28 | 16 | 5  | 2  | 1  | 1  | 0 | 0 |
| 5  | -4 | -2 | -1 | -1 | 0  | 0 | 0 |
| -1 | 1  | -2 | 0  | 0  | -1 | 0 | 0 |
| 3  | -1 | 1  | 0  | 0  | 0  | 0 | 0 |
| -1 | 1  | -1 | 0  | 0  | 0  | 1 | 0 |
| 1  | 0  | 0  | -1 | 0  | 0  | 0 | 0 |
| 1  | -1 | 0  | 0  | 0  | 0  | 0 | 0 |
| -1 | 1  | 0  | 0  | 0  | 0  | 0 | 0 |

*FIG. 13B*

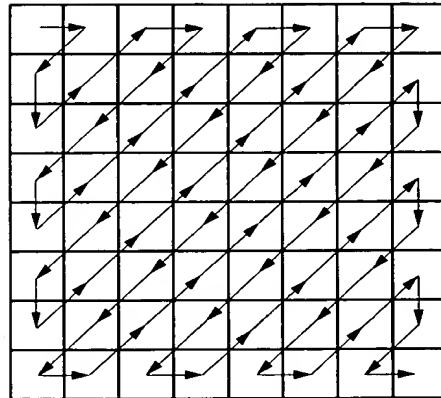
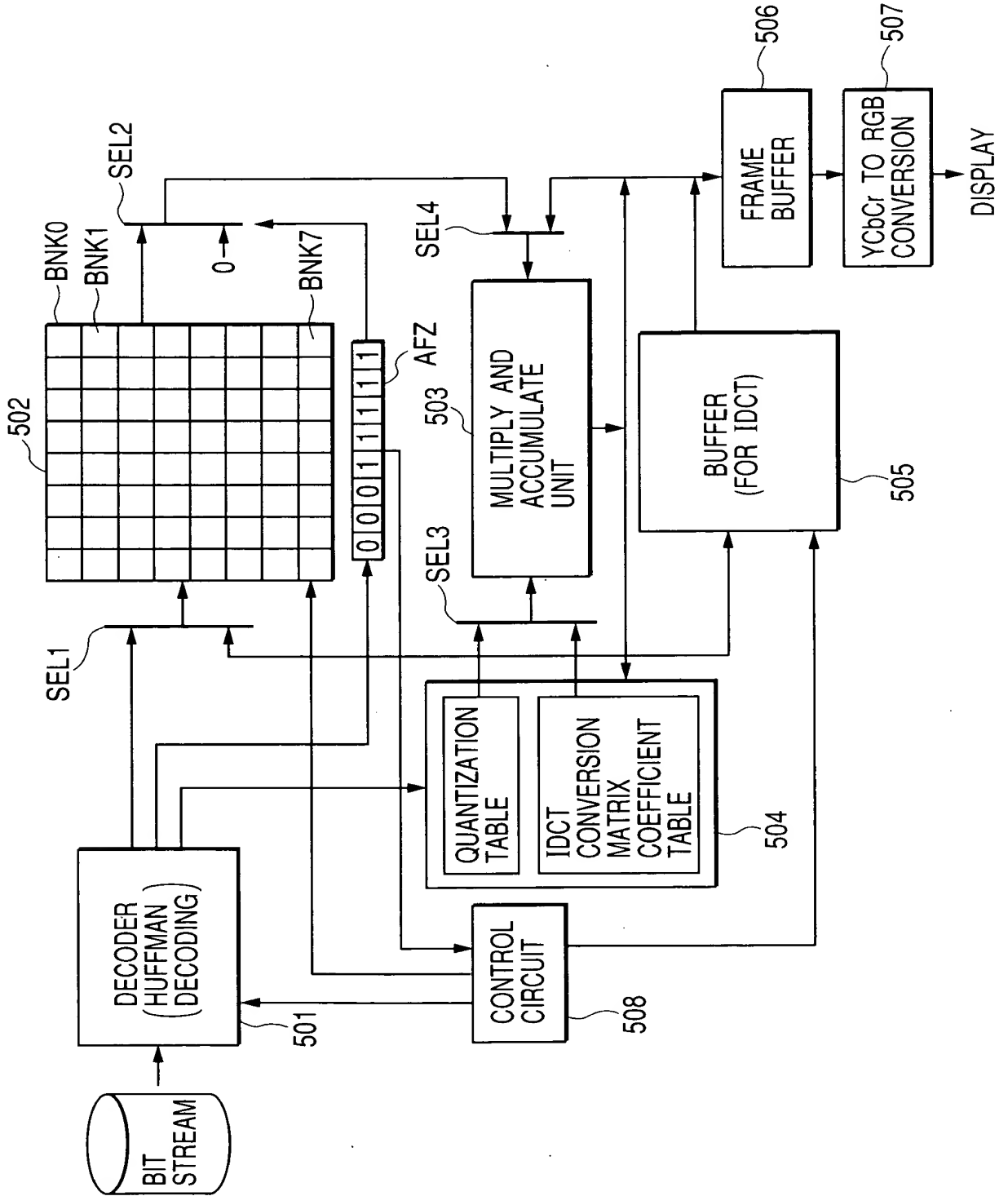


FIG. 14



**FIG. 15**

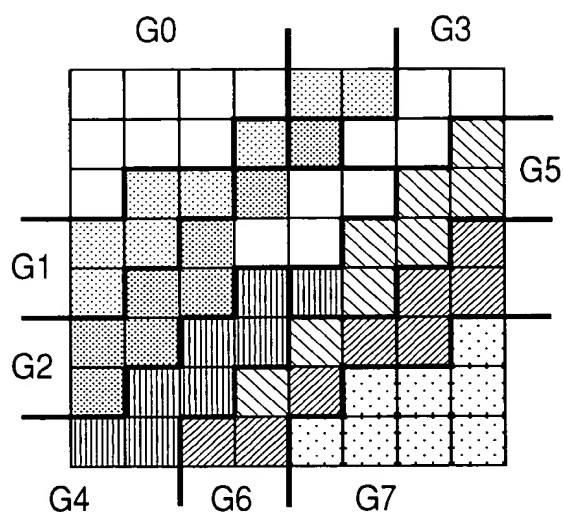


FIG. 16

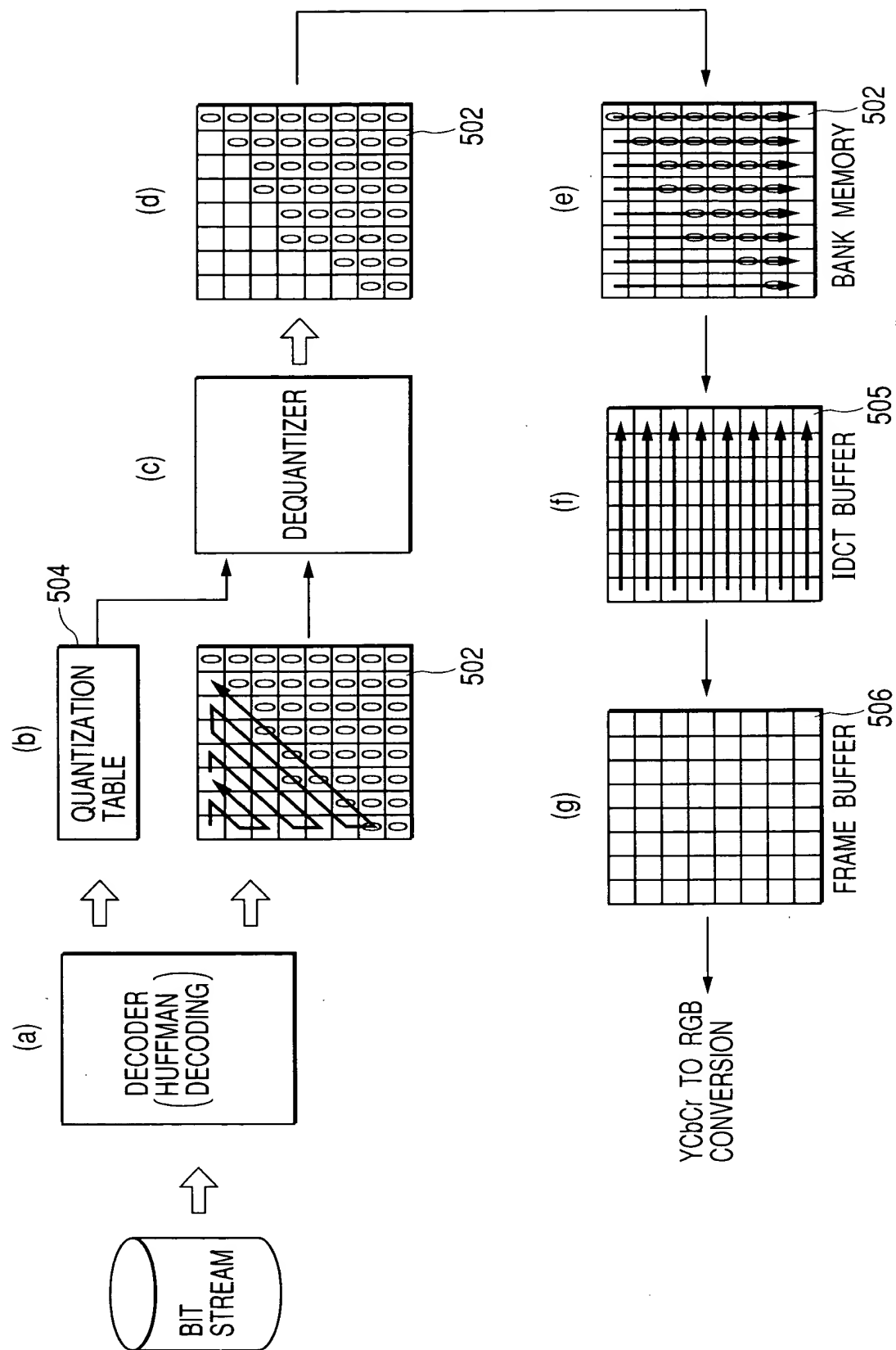


FIG. 17

